

# Sedona Wastewater Master Plan Update

PUBLIC MEETING

**WATER**  
OUR FOCUS  
OUR BUSINESS  
OUR PASSION



 **carollo**  
*Engineers...Working Wonders With Water®*

# Meeting Agenda

- Welcome
- Project History
- Project Objectives
- Participant Discussion
- Next Steps
- Project Communications
- Closing Comments
- Open House



# Project Team

## City of Sedona

- Roxanne Holland, P.E.
- J. Andy Dickey, P.E.
- Charles Mosley, P.E., MPA
- Lauren Browne

## Carollo Engineers

- Eric McLeskey, P.E.
- Richard Humphreys, P.E.
- Brad Jeppson, P.E.

## MakPro Services

- Teresa Makinen

# Meeting Objectives

- Inform participants of the project history and project objectives
  - System Capacities
  - Extent of the system in the future
- Determine need/desires for connecting
  - Environmentally sensitive areas
  - Failing septic
  - Cluster systems
  - Empty Parcels
  - Funding future expansions







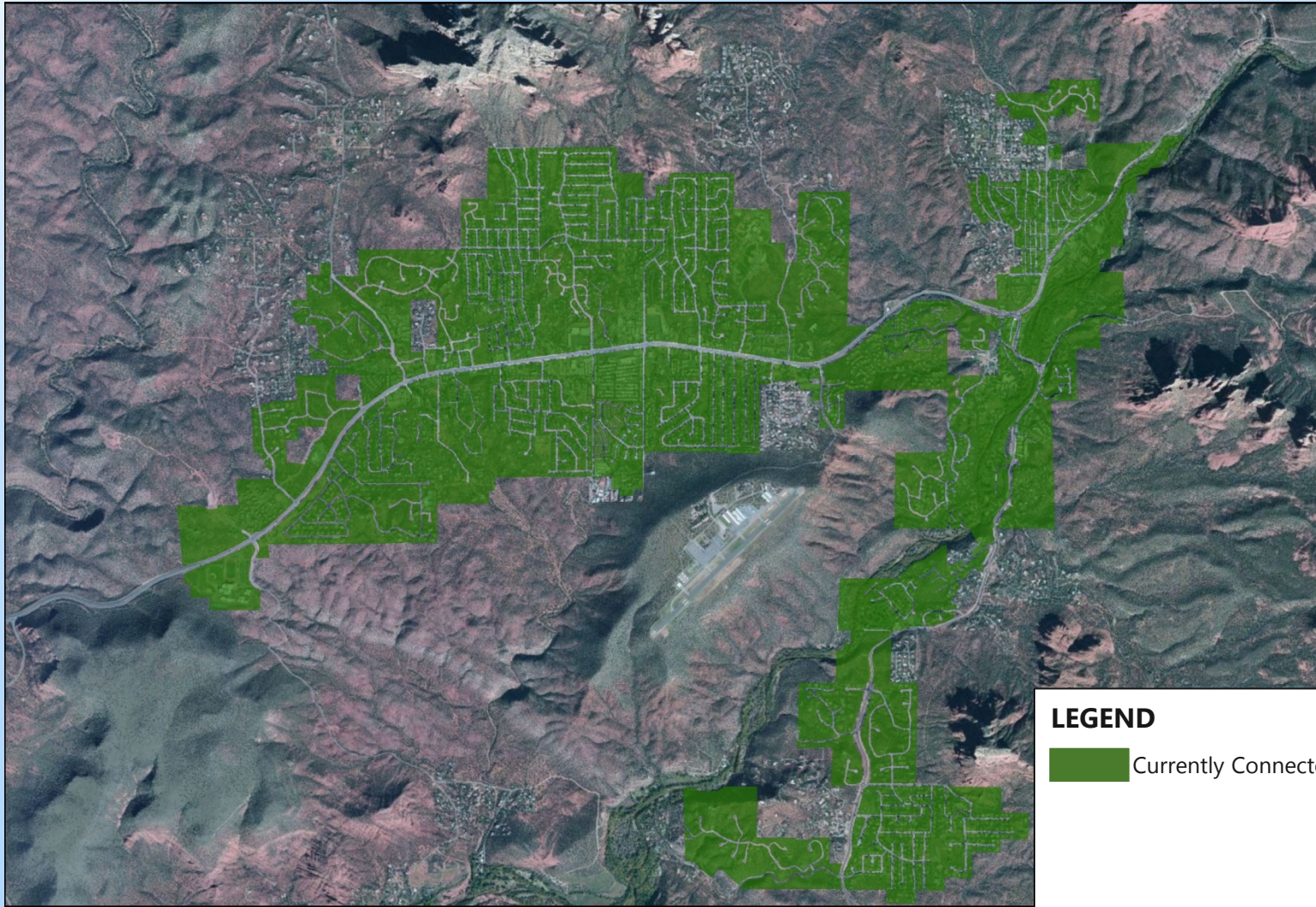
# PROJECT HISTORY

# Project History

- City Incorporated – 1988
  - State mandated that a sewer system be implemented
- Last Wastewater Master Plan – 2000
- Wastewater Reclamation Plant (WWRP) A+ Upgrades – 2012
  - Increased WWRP Capacity
  - Identified Sewer Planning Areas



# Project History

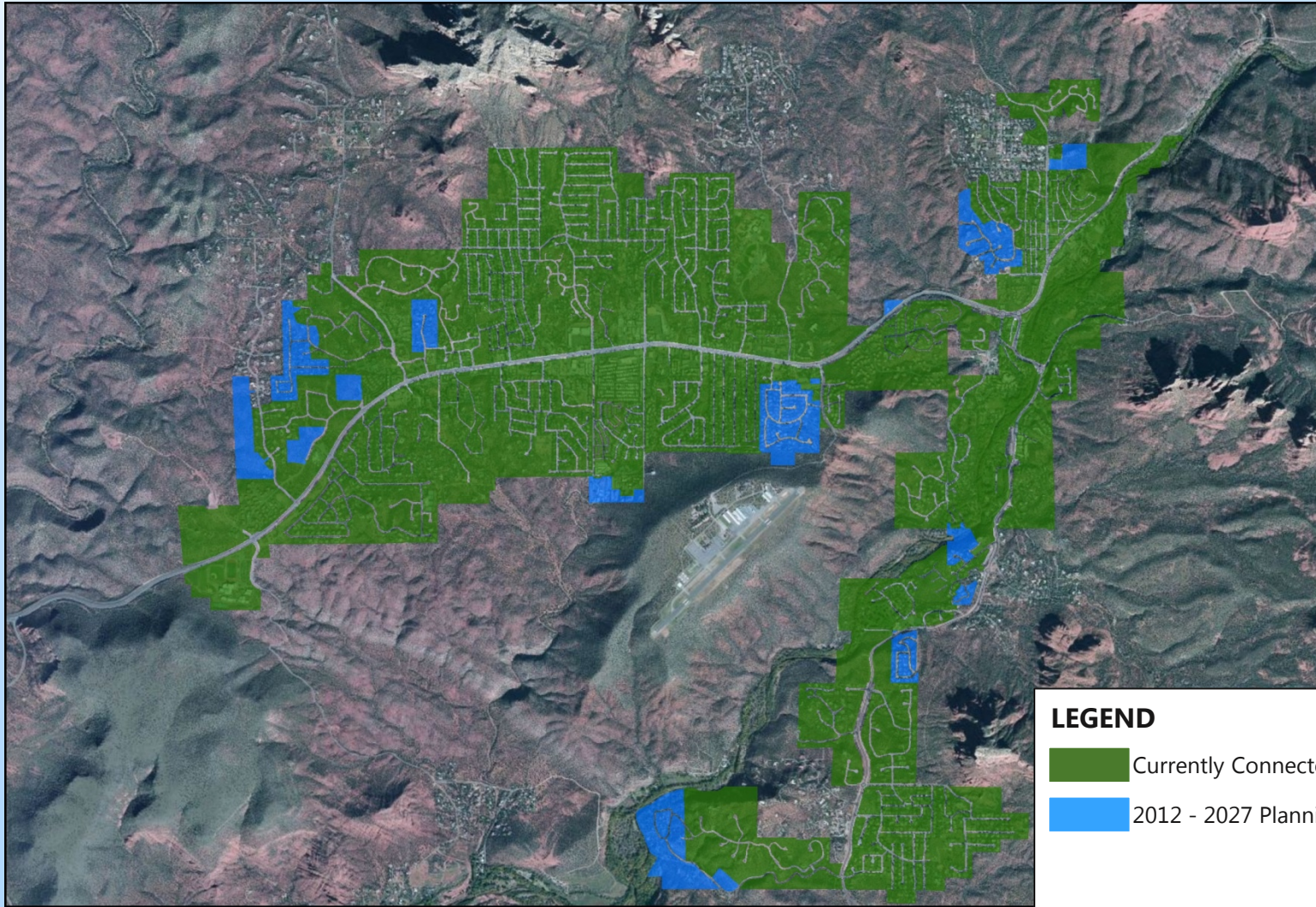


## LEGEND

 Currently Connected/Sewer Available



# Project History

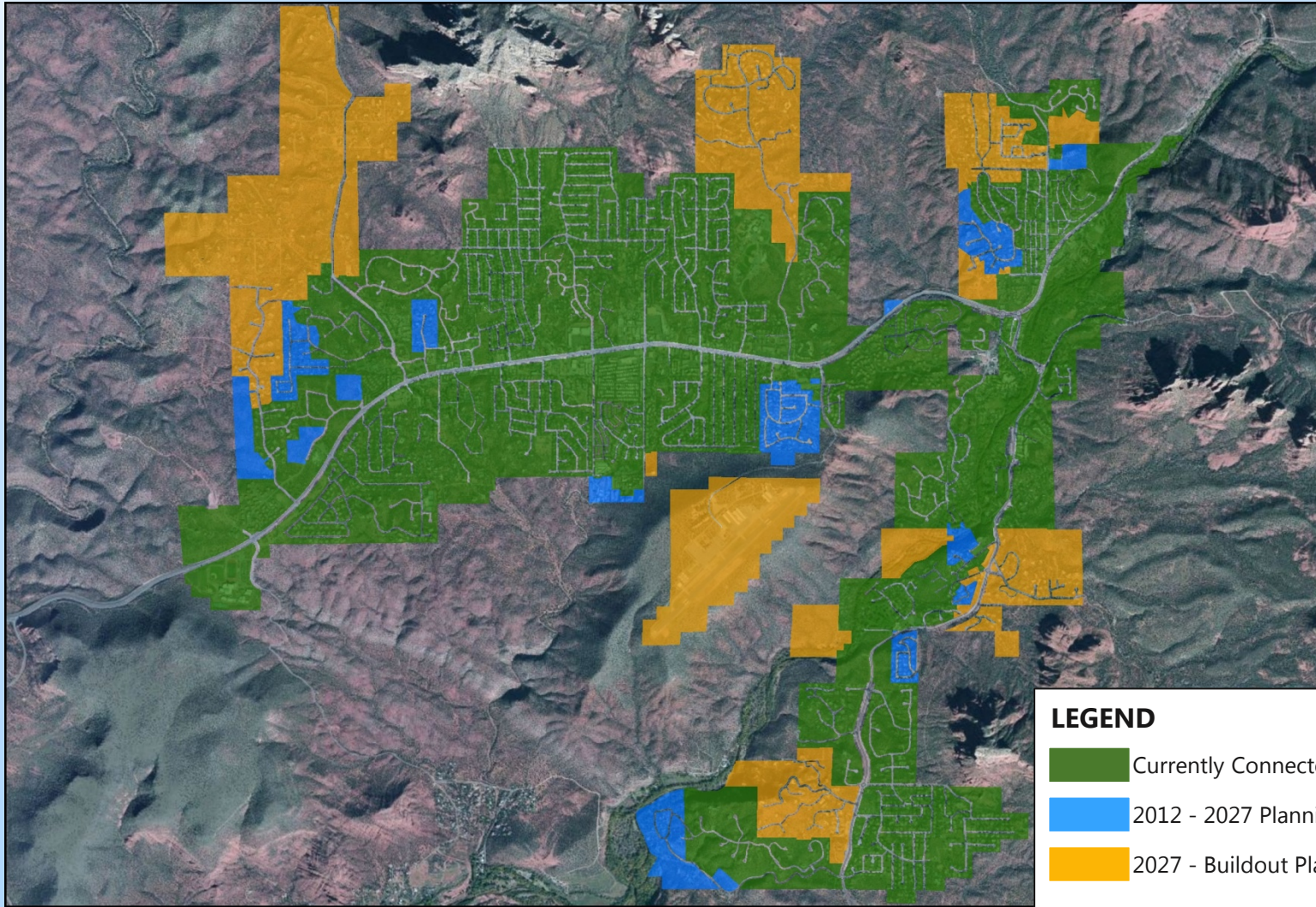


## LEGEND

- Currently Connected/Sewer Available
- 2012 - 2027 Planning Area



# Project History

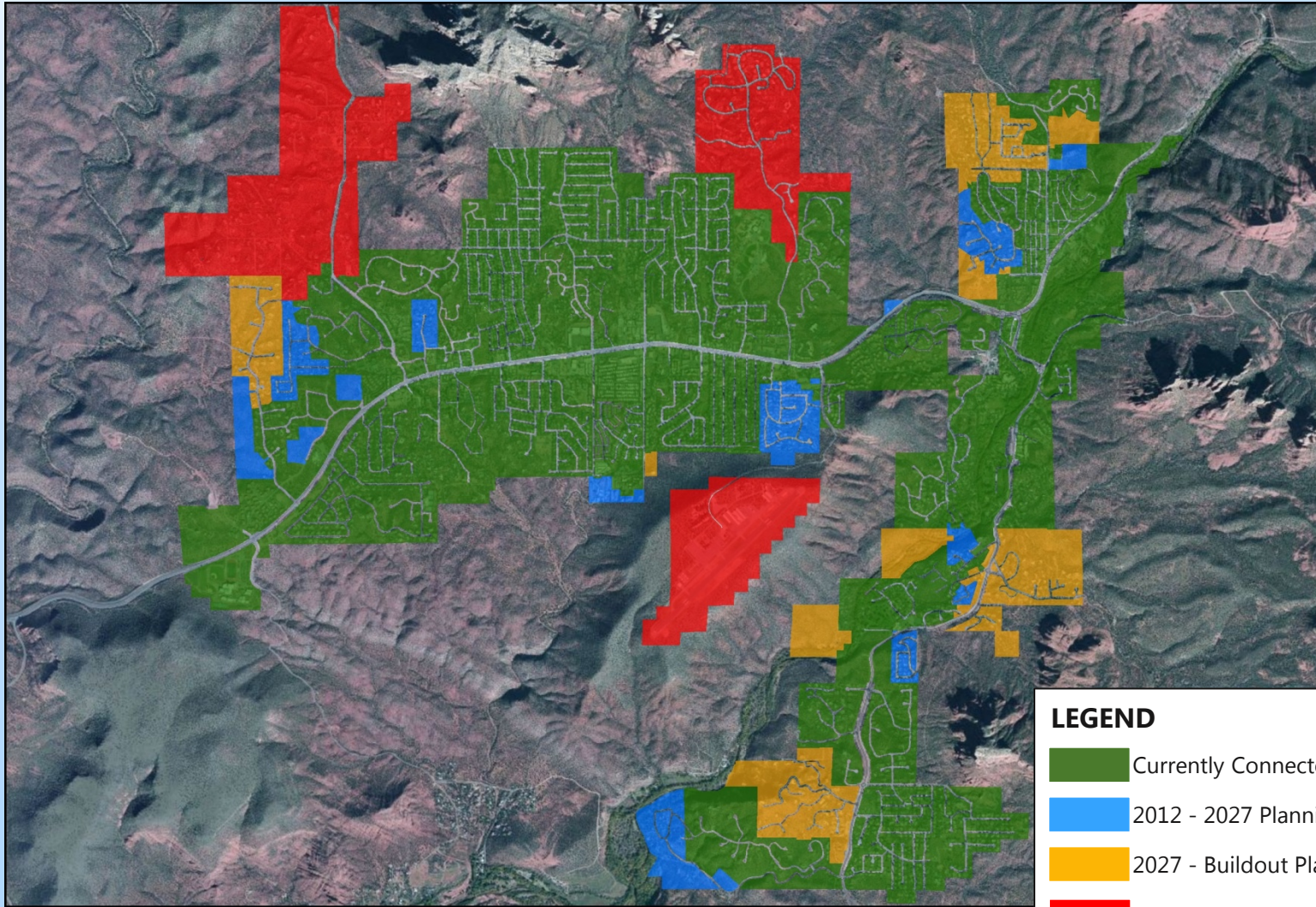


## LEGEND

- Currently Connected/Sewer Available
- 2012 - 2027 Planning Area
- 2027 - Buildout Planning Area



# Project History



## LEGEND

- Currently Connected/Sewer Available
- 2012 - 2027 Planning Area
- 2027 - Buildout Planning Area
- Sewer Not Planned

# Types of Sewer Service in Sedona

- City connection
- Cluster system
- Pressure system
- Private collection and treatment system
- Septic system

# Environmental Impact of Failing Septic Systems

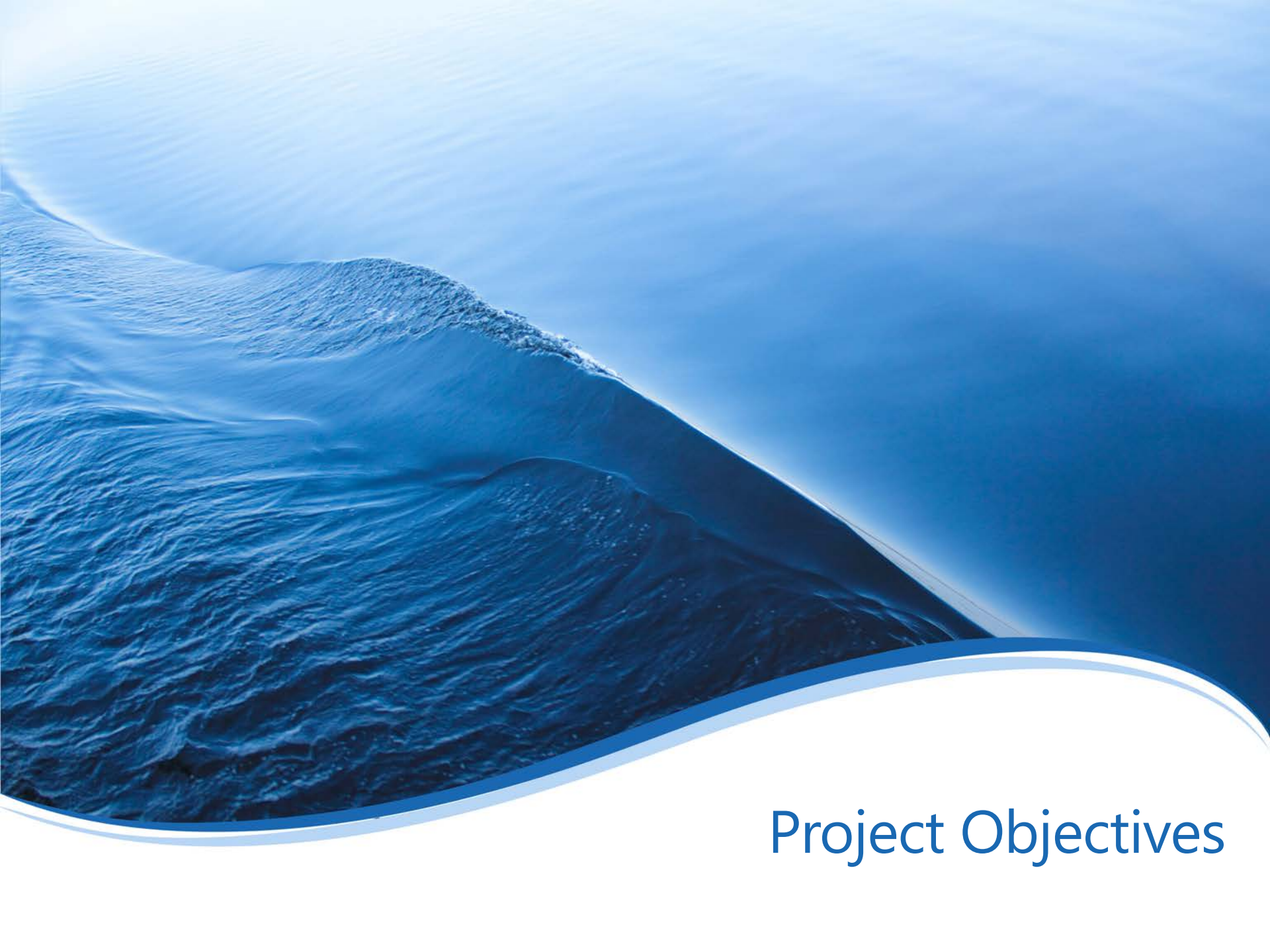
- Contamination of ground water
- Contamination of surface water
  - Proximity to Oak Creek
- Risk to public health
- Pollution

# City Policy

- Property owner requests an extension
  - Property owner is responsible for cost of extension
  - Adjacent property owners are required to connect
- Environmental necessity for extension/new connections
  - Analysis of need and funding (i.e. sewer rate increases, capacity fee increases, development impact fees)
  - City Council must approve
- City funded extension
  - Analysis of need and funding (i.e. sewer rate increases, capacity fee increases, development impact fees)
  - City Council must approve







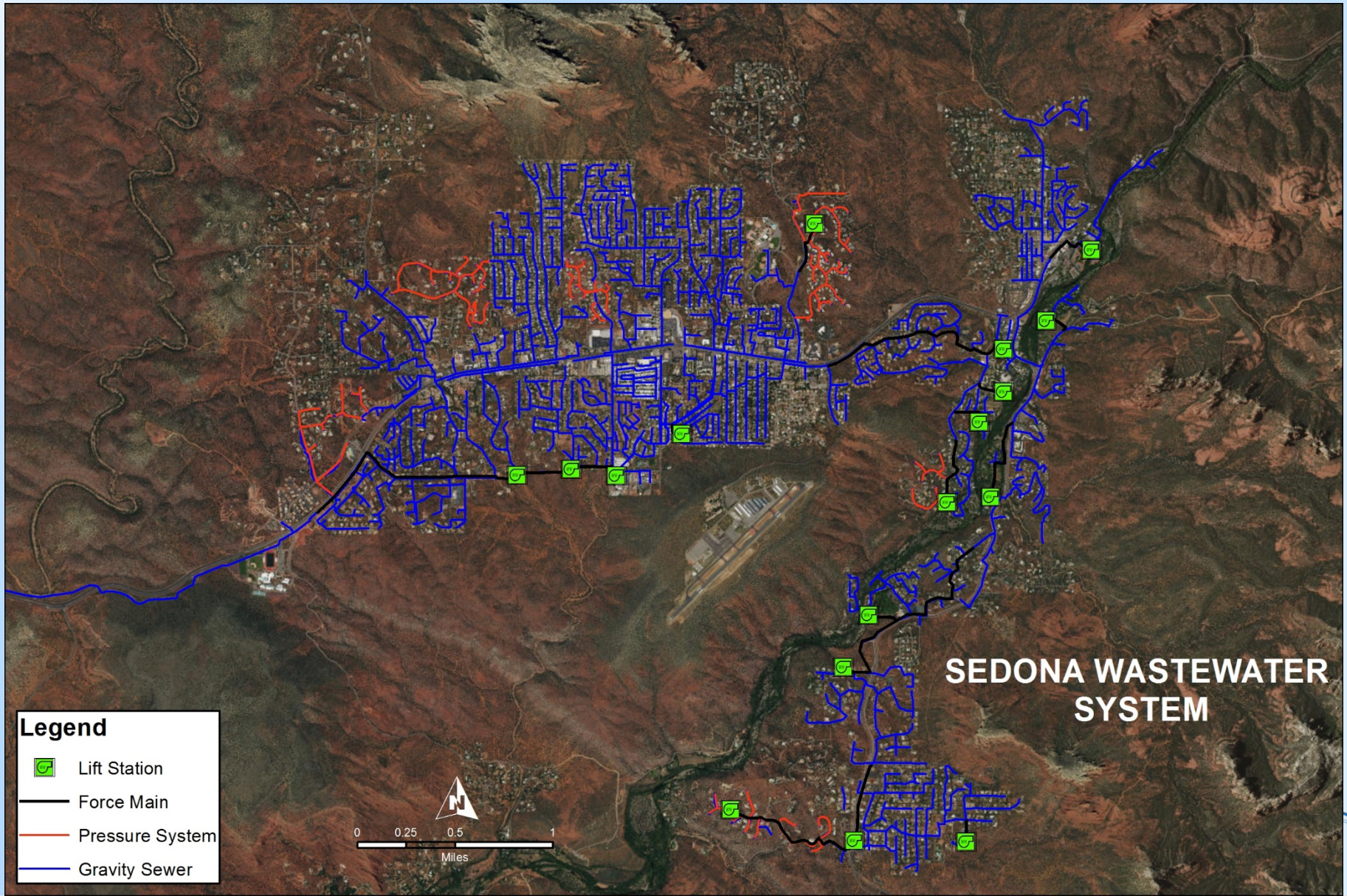
# Project Objectives



# Project Objectives

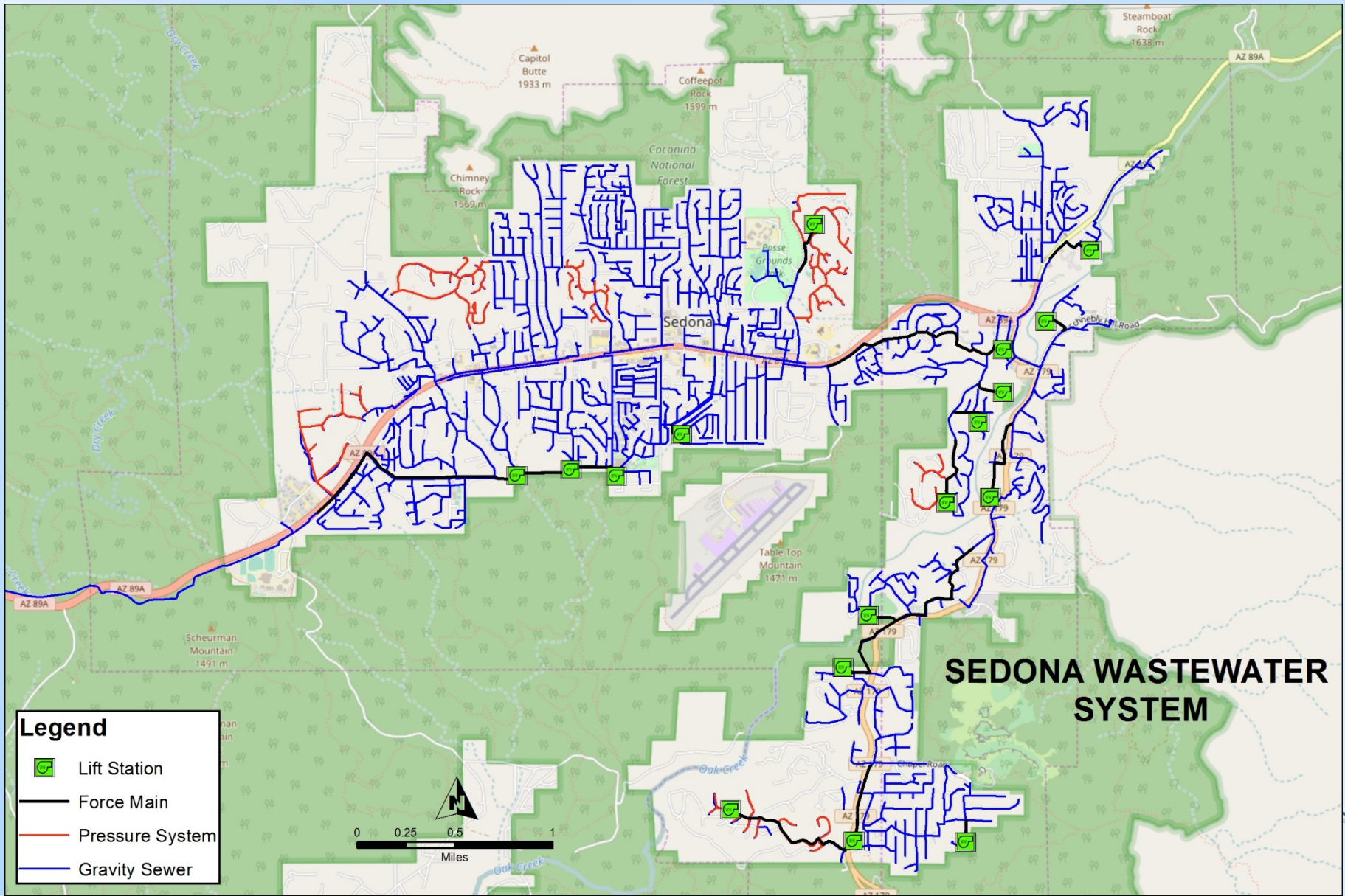
- Develop flow projections through Buildout
- Perform infrastructure condition assessment
- Perform existing & future system capacity analysis
- Identify system deficiencies and develop CIP
- Engage in public outreach

# Sedona Wastewater System



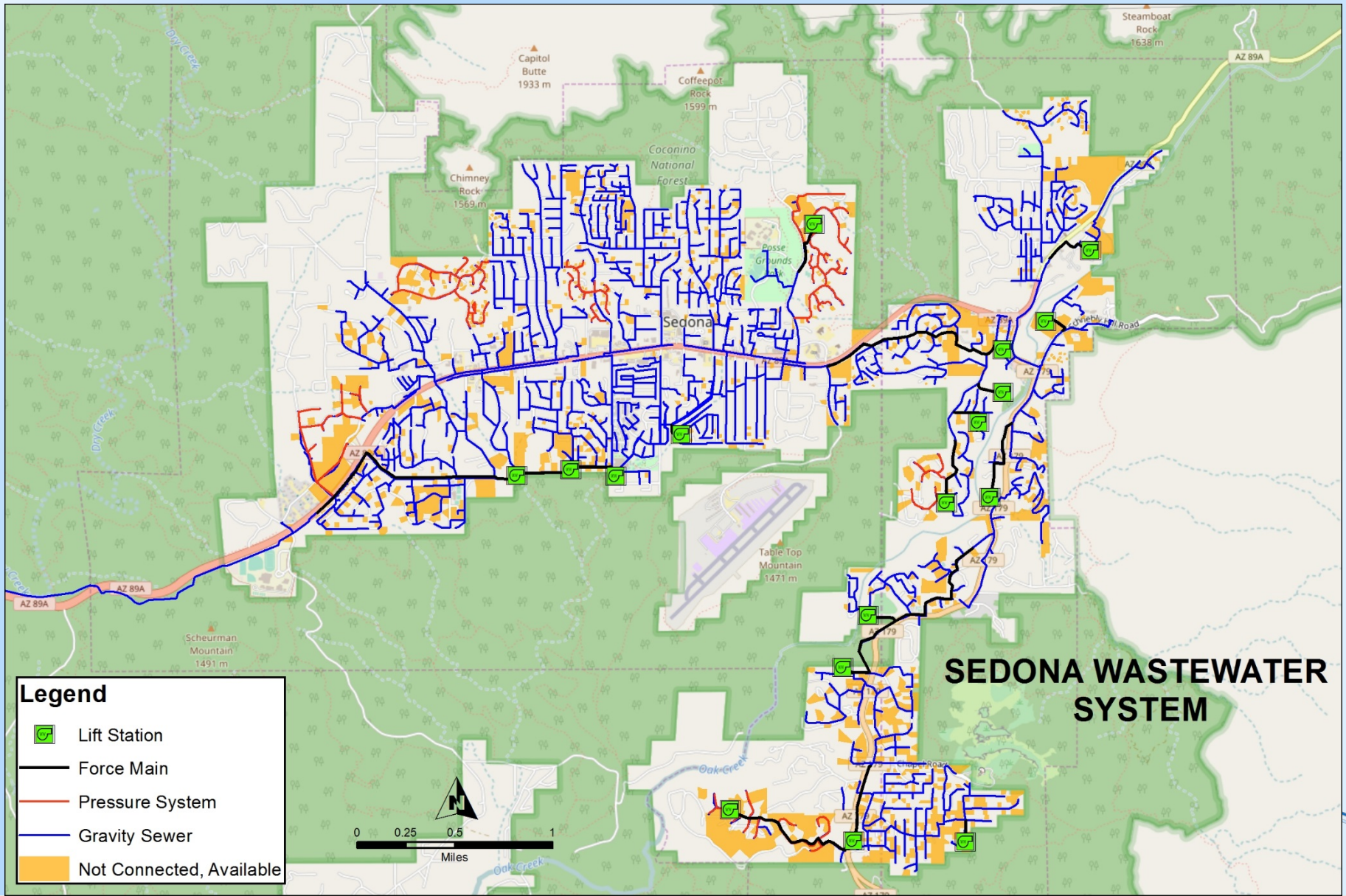


# Sedona Wastewater System



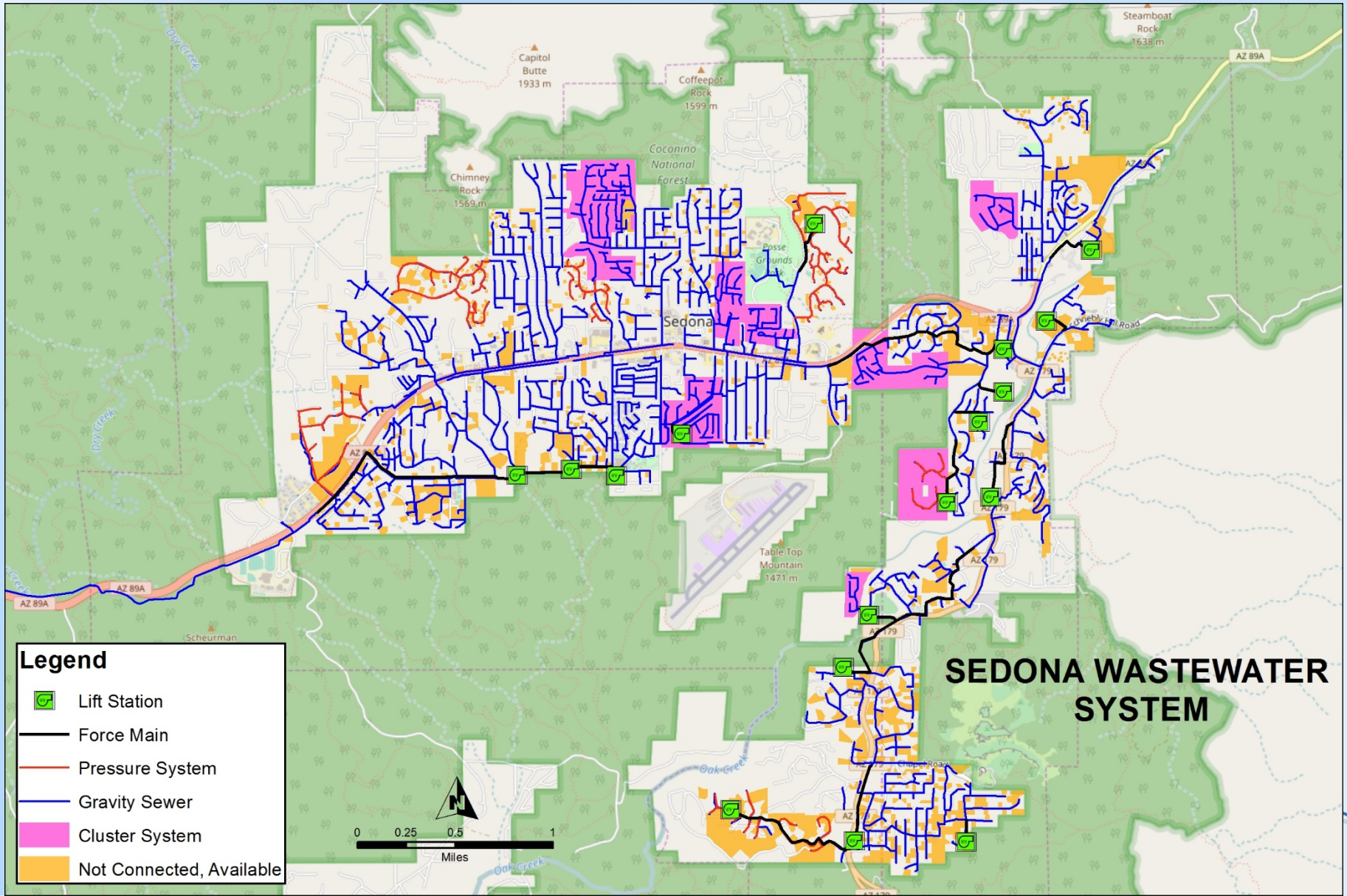


# Sedona Wastewater System – Sewer Available



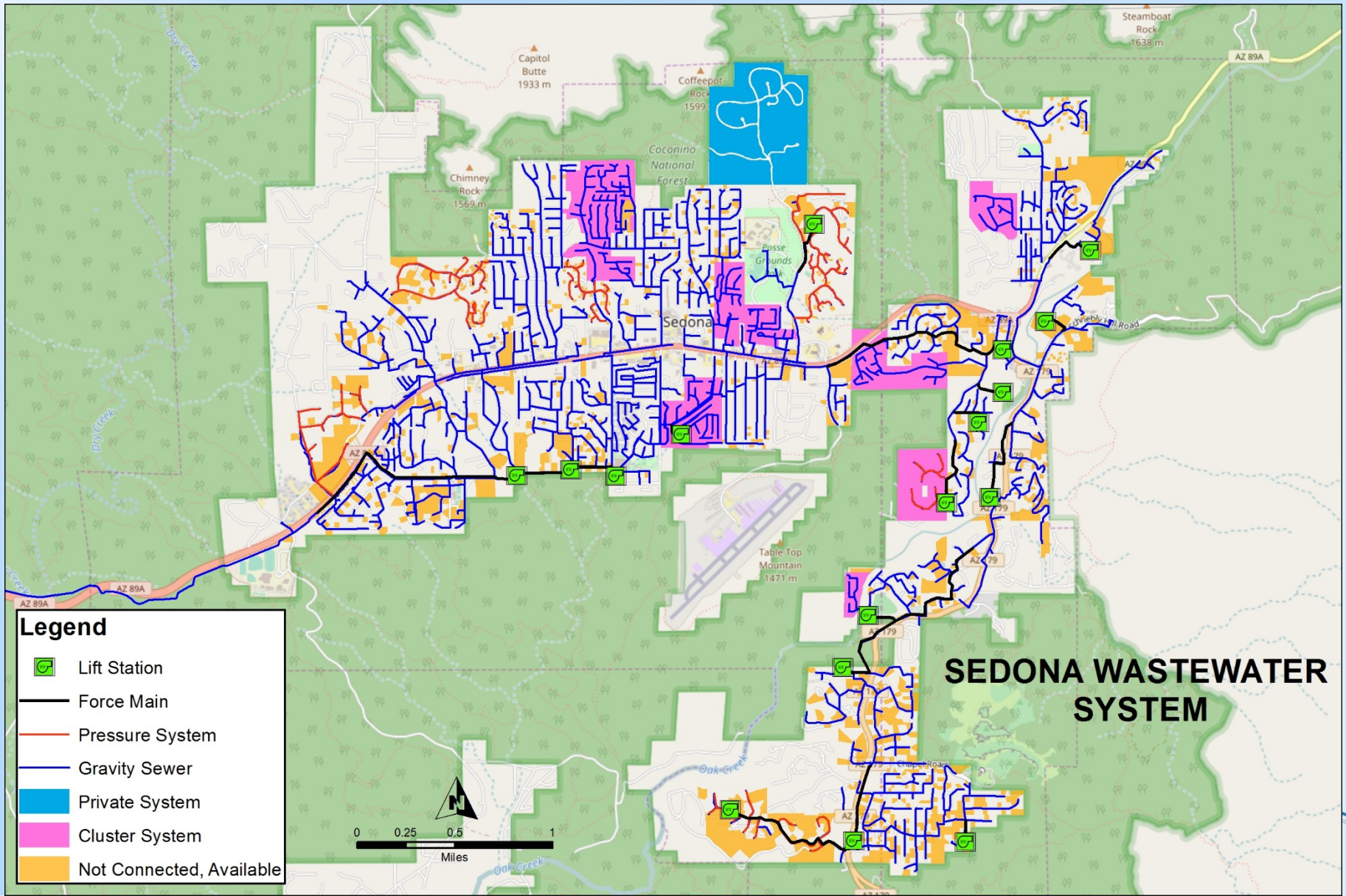


# Sedona Wastewater System – Cluster Systems





# Sedona Wastewater System – Private System



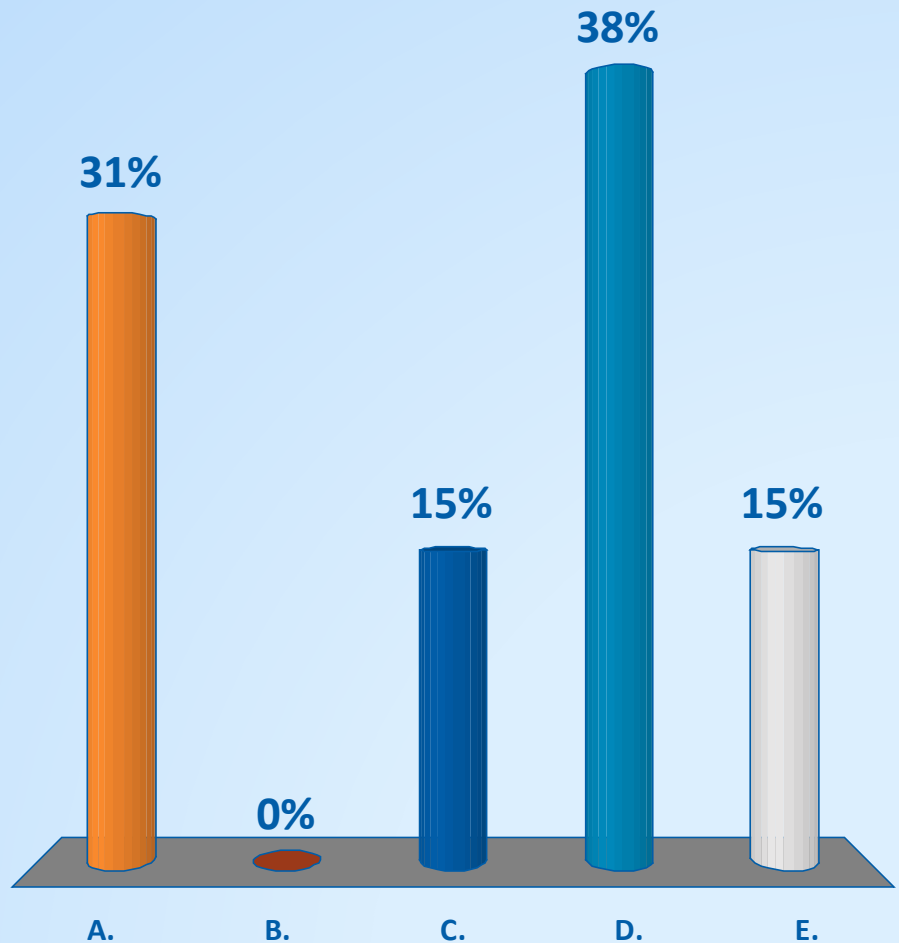


# Participant Discussion



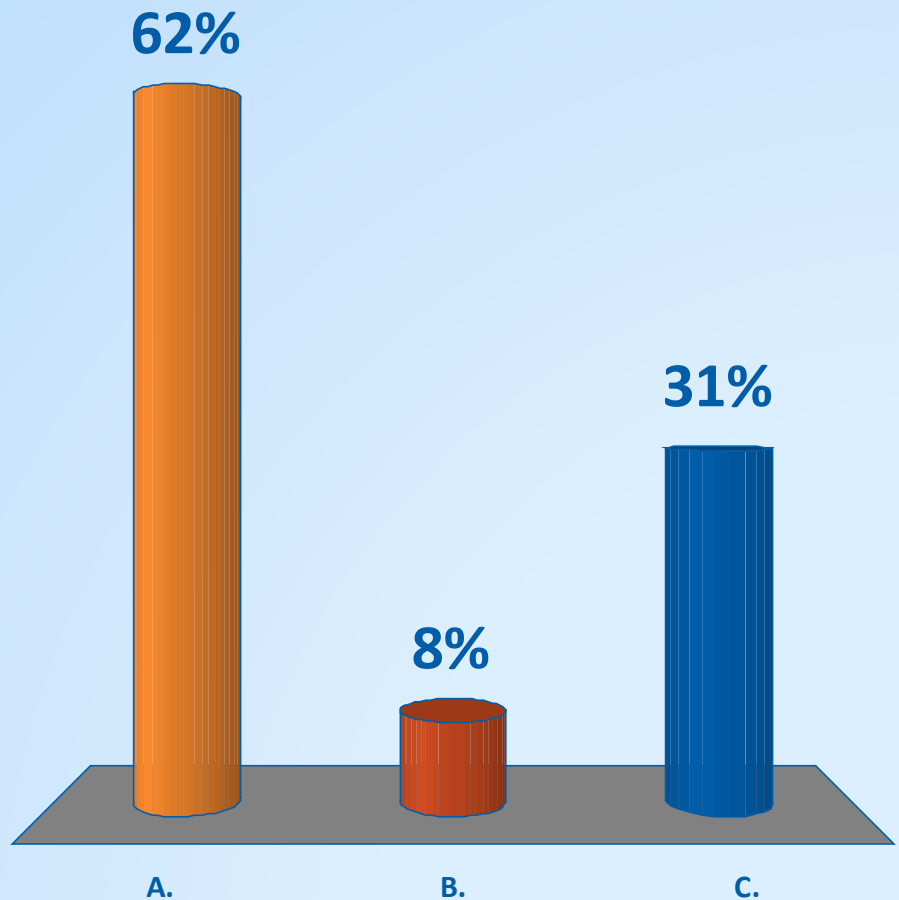
# Indicate your sewer connection status

- A. Direct connection to City sewer system
- B. Connection to cluster system (septic tank connect to City's sewer system)
- C. Private sewer system
- D. Septic system
- E. Unsure



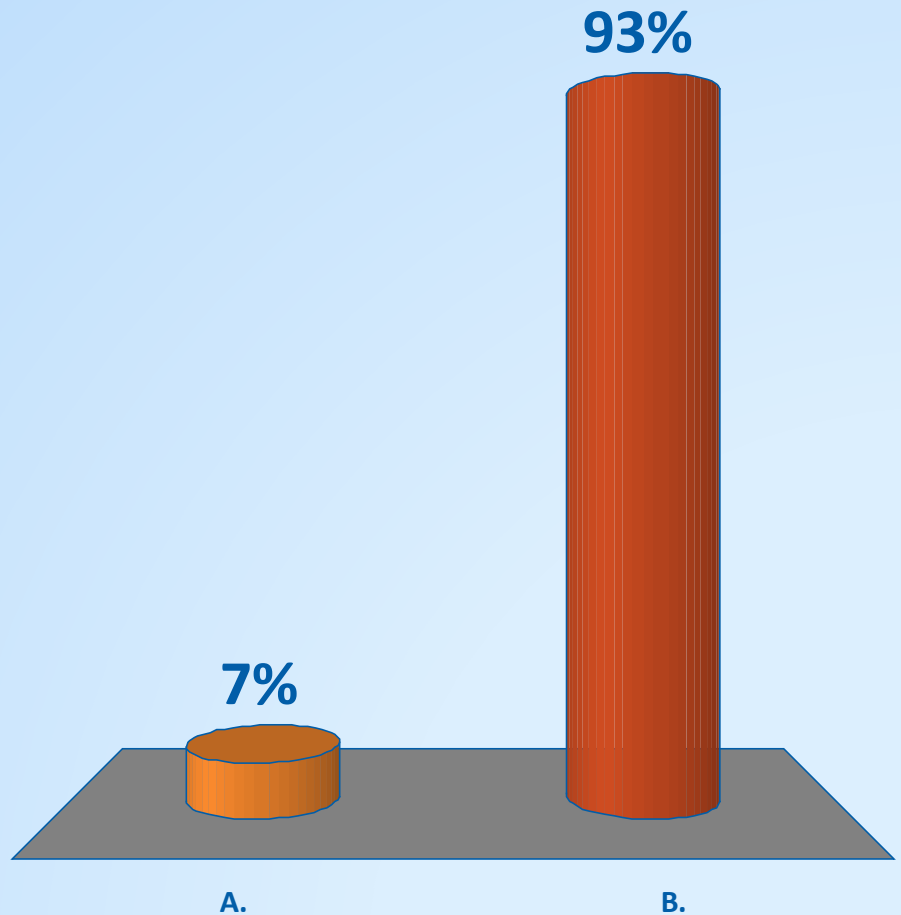
# Are you potentially interested in connecting?

- A. Yes
- B. No
- C. I am already connected to the City's sewer system



# Are you part of a home-owners association (HOA)?

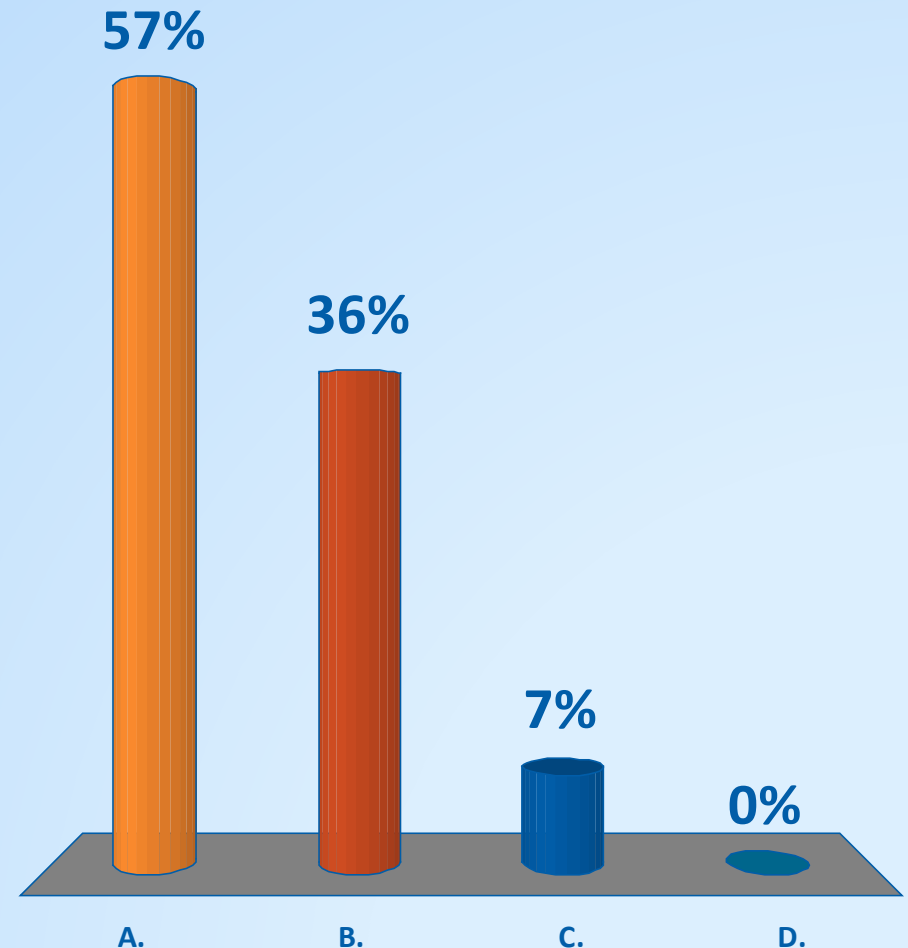
- A. I am part of an HOA
- B. I am NOT part of an HOA





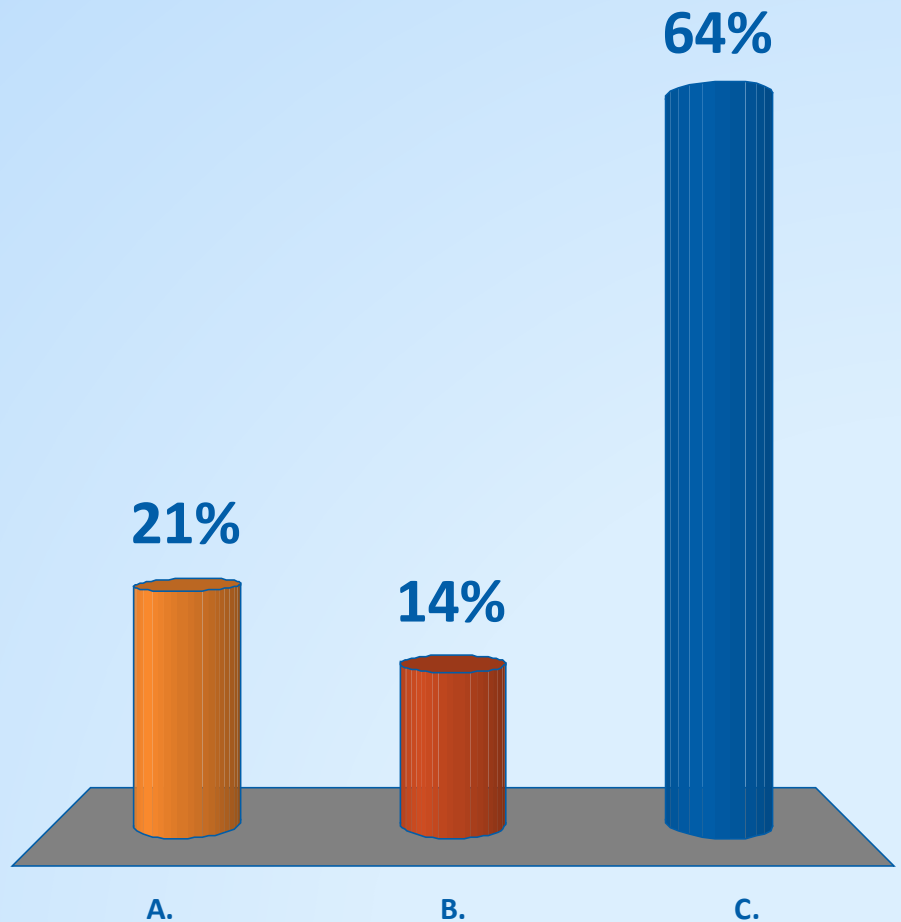
# How important is it to you to reduce the number of septic systems in order to protect the environment?

- A. Very important
- B. Somewhat important
- C. Not important
- D. No opinion/don't know



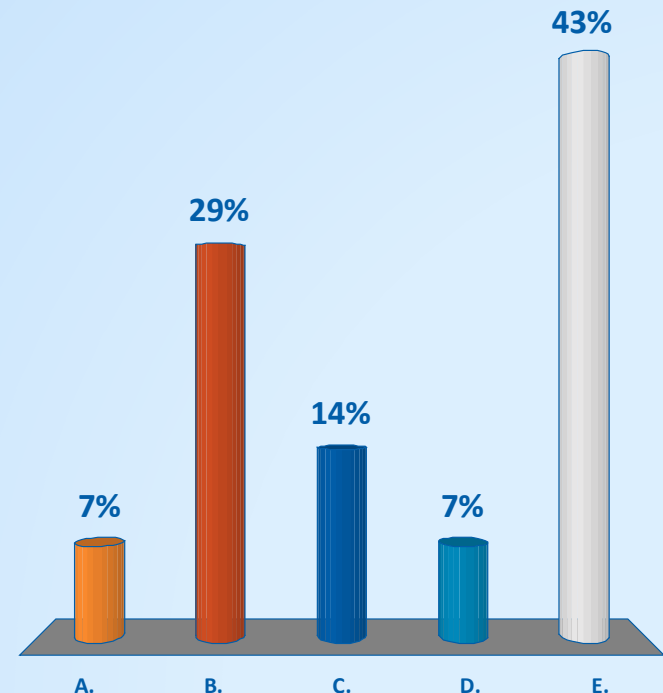
# Are you willing to contribute financially to reduce the environmental impact from septic systems by expanding the City's sewer system?

- A. Yes
- B. No
- C. Depends on the amount



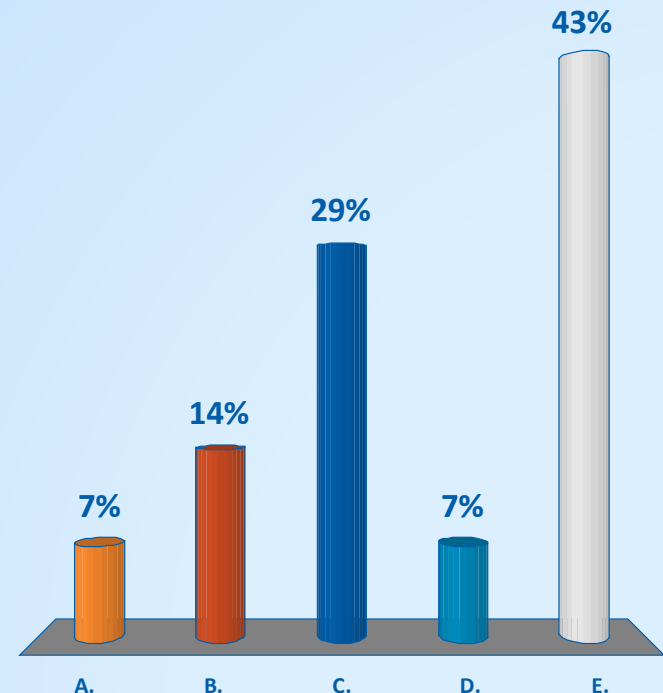
Scenario: The City is expanding the sewer system to increase capacity with no environmental concern. As a person already paying a sewer bill, how much of an increase to your monthly sewer bill would you find acceptable?

- A. \$0
- B. \$0.01 - \$5.00
- C. \$5.01 - \$10.00
- D. More than \$10.00
- E. I don't pay a sewer bill



**Scenario 2: The City is expanding the sewer system to eliminate septic tanks along Oak Creek. As a person already paying a sewer bill, how much of an increase to your monthly sewer bill would you find acceptable to reduce environmental impacts?**

- A. \$0
- B. \$0.01 - \$5.00
- C. \$5.01 - \$10.00
- D. More than \$10.00
- E. I don't pay a sewer bill





# Participant Discussion

- Open comments / discussion



Next Steps



# Next Steps

- Compile comments and polling answers
- Update City Council on project progress and feedback from tonight's meeting
- Analyze areas that are interested in connecting
- Meet with smaller groups (i.e. HOA's, neighborhoods on septic wanting to connect, neighborhoods on cluster systems, individual homeowners)
- Second Public Meeting





# Project Communications



# Project Communications

- Project Manager – Roxanne Holland, P.E.
  - [RHolland@SedonaAZ.gov](mailto:RHolland@SedonaAZ.gov)
  - (928) 203-5069
- Please fill out a comment card with contact information for updates



Thank You!